

index to
graduate theses
and dissertations on
California geology
1962 through 1972

SPECIAL REPORT 115



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INDEX TO GRADUATE THESES
AND DISSERTATIONS ON CALIFORNIA GEOLOGY
1962 THROUGH 1972

By
Gary C. Taylor
Geologist
California Division of Mines and Geology
1974


CALIFORNIA DIVISION OF MINES AND GEOLOGY
Resources Building, Room 1341
1416 Ninth St., Sacramento, CA 95814

STATE OF CALIFORNIA
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INDEX TO GRADUATE THESES AND DISSERTATIONS ON CALIFORNIA GEOLOGY 1962 THROUGH 1972

By Gary C. Taylor

INTRODUCTION

The following index is the fourth supplement to California Division of Mines and Geology Special Report 74, "Index to Graduate Theses on California Geology," 1963. The first supplement appeared in the August 1967 issue of Mineral Information Service, the second in the June 1969 issue, and the third in May 1970. These three supplements have been incorporated into this special report to have a single readily available reference for theses and dissertations written since 1961, when Special Report 74 was published. This report is a companion report to the Division's Special Reports 52, 52A, 52B, and 102 "Index to Geologic maps of California," which are guides to all published geologic mapping in California through 1968.

As before, this present index was prepared by a careful search for appropriate theses in library catalogues and by canvassing geology and earth science departments of all California institutions granting advanced degrees. In order to obtain current information from out-of-state schools, all universities and colleges in adjacent states and those others which have contributed in the past were contacted. Titles of master's and doctor's theses in fields related to geology were reviewed and those that appeared to contain information on California geology were included. Consequently, besides theses in geology, this index includes thesis titles from the departments of paleontology, geophysics, geochemistry, seismology, and oceanography, as well as selected theses in the fields of mining engineering, geography, hydrology, petroleum engineering, and soil science.

This index contains approximately 860 thesis titles, which include 114 from out-of-state institutions. In order that subsequent revisions or supplements may be as accurate and complete as possible, the author earnestly solicits corrections and additions from users of this report. Please address: Gary Taylor, California Division of Mines and Geology, 1416 Ninth Street, Room 118, Sacramento, California, 95814.

Explanation of Lists. In keeping with the form of the first index, this supplement is divided into three parts. Part I lists theses regarding specific areas, which are located on Plate I. The numbering sequence on Plate I starts at the northernmost part of the state and advances sequentially southward from left to right and back again from right to left. The location numbers are in the approximate centers of the thesis areas. In areas where thesis studies overlap or where numbers are very close together, the relative positions of the location numbers on Plate I may not be exact. Where a thesis treats two or more specific areas, each area is denoted by a different number on Plate I. The reader should consult the author index to obtain all areas covered by a given thesis.

Part II of this index lists theses which are not plotted on Plate I, because the studies were either broad regional studies not well represented by a point location, or topical studies (from California schools only) not related to a particular location. Some of the topical studies include information collected from areas outside of the state. The code numbers of these unplotted theses are prefixed by the letter "U" for identification in the author list (Part III). Unplotted theses are grouped in the following major fields of interest:

Geochemistry	Paleobotany
Geomorphology	Paleontology
Geophysics	Petrology
Hydrology	Physiography
Mineralogy	Sedimentation
Oceanography	Seismology
Stratigraphy	Soil Science

Miscellaneous

Part III of this index is an author index, where thesis titles are referred back to the numbered lists in Parts I and II.

Availability of Theses. Nearly all theses listed in this index are available for reference at the main libraries of the universities at which they are on file; under certain conditions, they may be borrowed for short periods on interlibrary loan. Non-circulating reference copies of many of the theses are also available through the library or office of the department to which the thesis was submitted. Those bearing an asterisk are available for reference in the library of the California Division of Mines and Geology in San Francisco.

Photographic or microfilm reproductions of most theses may be purchased from the university library. Microfilm copies, or xerographic prints of most doctoral dissertations completed in recent years are obtainable from University Microfilms, Inc., 313 North First Street Ann Arbor, Michigan, 48106.

Acknowledgements. Grateful acknowledgement is made to A. L. Kobal, Jr., J. Sackett, T. H. Rogers, and D. McClure for their compilation of theses for the years 1962 through 1968. Also the preparation of this report was greatly facilitated by the help rendered by Mary R. Weinstein, Librarian, California Division of Mines and Geology Library, San Francisco, in procuring out-of-state theses for review. Clerical help was provided by Beryl Adrian and Jean E. Homes; camera-ready copy was typed under the direction of Margaret W. Turner by Suzanne L. Cross.

The addresses of the universities and colleges having copies of theses included in this index are listed below. Abbreviations for these schools that have been used in this report are indicated.

INDEX TO GRADUATE THESES AND DISSERTATIONS

CALIFORNIA GEOLOGY, 1962 THROUGH 1972

	Abbreviations used in this report
University of Arizona Tucson, Arizona 85721	Arizona
University of California Berkeley, California 94720	UCB
University of California, Davis Davis, California 95616	UCD
University of California, Los Angeles Los Angeles, California 90024	UCLA
University of California, Riverside Riverside, California 92507	UCR
University of California, San Diego San Diego, California 92100	UCSD
University of California, Santa Barbara Santa Barbara, California 93106	UCSB
University of California, Santa Cruz Santa Cruz, California 95060	UCSC
University of Southern California Los Angeles, California 90007	USC
Brown University Providence, Rhode Island 02912	Brown
California Institute of Technology Pasadena, California 91109	CIT
Case Western Reserve University Cleveland, Ohio 44106	Case

Chico State University Chico, California 95926	Chico
University of Colorado Boulder, Colorado 80302	Colorado
Columbia University New York, New York 10027	Columbia
Harvard University Cambridge, Massachusetts 02138	Harvard
University of Hawaii Honolulu, Hawaii 96822	Hawaii
University of Idaho Moscow, Idaho 83843	Idaho
University of Illinois Urbana, Illinois 61801	Illinois
Indiana University Bloomington, Indiana 47401	Indiana
Johns Hopkins University Baltimore, Maryland 21218	Johns Hopkins
Massachusetts Institute of Technology Cambridge, Massachusetts 02139	MIT
University of Massachusetts Amherst, Massachusetts 01002	Massachusetts
University of Michigan Ann Arbor, Michigan 48104	Michigan
University of Missouri Rolla, Missouri 65401	Missouri
University of Nevada, Mackay School of Mines Reno, Nevada 89507	Nevada
Northwestern University Evanston, Illinois 60201	Northwestern
Ohio University Athens, Ohio 45701	Ohio
University of Oklahoma Norman, Oklahoma 73069	Oklahoma

University of Oregon Eugene, Oregon 97401	Oregon
Oregon State University Corvallis, Oregon 97331	Oregon State
Pennsylvania State University University Park, Pennsylvania 16801	Penn. State
Princeton University Princeton, New Jersey 08540	Princeton
Rice University Houston, Texas 77001	Rice
University of Rochester Rochester, New York 14627	Rochester
San Diego State University San Diego, California 92115	SDSU
San Fernando Valley State University Northridge, California 91326	SFVSU
San Francisco State University San Francisco, California 94112	SFSU
San Jose State University San Jose, California 95114	SJSU
Stanford University Stanford, California 94305	Stanford
University of Texas Austin, Texas 78712	Texas
University of Utah Salt Lake City, Utah 84100	Utah
University of Virginia Charlottesville, Virginia 22900	Virginia
University of Washington Seattle, Washington 98195	Washington
Washington State University Pullman, Washington 99163	Wash. State
Wichita State University Wichita, Kansas 67208	Wichita

University of Wisconsin
Madison, Wisconsin 53706

Wisconsin

University of Wyoming
Laramie, Wyoming 82070

Wyoming

Yale University
New Haven, Connecticut 06520

Yale

United States Naval Post Graduate School
Monterey, California 93940

USNPGS

Pomona College
Claremont, California 91711

Pomona

References

- Jennings, C. W. and Strand, R. G., 1963: Index to Graduate Theses on California Geology to December 31, 1961, California Division of Mines and Geology, Special Report 74, 39 p.
- Kobal, A. L., Jr., 1967: Index to Graduate Theses and Dissertations on California Geology - 1962 through 1965, California Division of Mines and Geology, Mineral Information Service, v. 20, no. 8, (August 1967), pp. 98-103.
- Sackett, J. and Rogers, T. H., 1969: Index to Graduate Theses on California Geology, Mineral Information Service, v. 22, no. 6, (June 1969), pp. 91-95, 102.
- McClure, D. and Sackett, J., 1970: Index to Graduate Theses on California Geology, 1968: California Division of Mines and Geology, Mineral Information Service, v. 23, no. 5, (May 1970), pp. 91-94.

PART I

THESES CONCERNING SPECIFIC AREAS PLOTTED ON PLATE I

PART I
THESES
AREAS

An asterisk (*) in front of the reference indicates that a copy of the manuscript is on file at the California Division of Mines and Geology library in San Francisco.

- *1. Brown, Walter William. Geochemistry of selected soil profiles developed on ultramafic rocks, Del Norte County, California. PhD 1965. Stanford.
2. Widmier, John M. Mesozoic stratigraphy of the west-central Klamath Province: a study of eugeosynclinal sedimentation. PhD 1963. Wisconsin.
- *3. Snoke, Arthur Wilmot. Petrology and structure of the Preston Peak area, Del Norte and Siskiyou counties, California. PhD 1972. Stanford.
4. Carlton, Richard Walter. Stratigraphy, petrology, and mineralogy of the Colestin Formation in southwest Oregon and northern California. PhD 1972. Oregon.
5. Elliott, Monty Arthur. Stratigraphy and petrology of the Late Cretaceous rocks near Hilt and Hornbrook, Siskiyou county, California and Jackson county, Oregon. PhD 1971. Oregon.
- *6. Medaris, Levi G. Geology of the Seiad Valley area, Siskiyou county, California, and petrology of the Seiad ultramafic complex. PhD 1966. UCLA.
7. Dollinger, Gerald. A petrofabric study of olivine from the Seiad ultramafic complex, Seiad Valley, California. MS 1969. Wisconsin.
- *8. Barrows, Allan G., Jr. Geology of the Hamburg-McGuffy Creek area, Siskiyou county, California, and petrology of the Tom Martin untramafic complex. PhD 1969. UCLA.
- *9. Pratt, Walden Penfield. Geology of the Marble Mountains area, Siskiyou county, California. PhD 1964. Stanford.
- *10. Lee, Gaylon Keith. Glaciation of the Red Mountain area, Klamath Mountain, California. MS 1972. Arizona.
- *11. Glauser, Rudolph. The ecosystem approach to the study of the Mt. Shasta mudflows. PhD 1967. UCB.

- *12. Martz, Paul W. The geology of a portion of the northern Warner Mountains, Modoc county, California. MS 1969. UCD.
- *13. LaFehr, Thomas Robert. Gravity analysis of anomalous density distributions with applications in the southern Cascade Range. PhD 1964. Stanford.
- *14. Zdanowicz, Ted A. Stratigraphy and structure of the Horseshoe Gulch area, Etna and China Mountain quadrangles, California. MS 1972. Oregon.
- *15. Seyfert, Carl Keenan, Jr. Geology of the Sawyers Bar area, Klamath Mountains, northern California. PhD 1965. Stanford.
- *16. Romey, William D. Geology of a part of the Etna quadrangle, Siskiyou county, California. PhD 1962. UCB.
- *17. Rohr, David M. Geology of the Lovers' Leap area, China Mountain quadrangle, California. MS 1972. Oregon.
- *18. Gardner, Murray Curtis. Cenozoic volcanism in the high Cascade and Modoc Plateau provinces of northeastern California. PhD 1964. Arizona.
- 19. Vennum, Walter R. Petrology of the Castle Crags pluton, Shasta and Siskiyou counties, California. PhD 1971. Stanford.
- 20. Chernosky, Joseph V. Metasomatic zoning at Tamarack Lake, Trinity county, California. MA 1969. Wisconsin.
- *21. Holdaway, Michael J. Petrology and structure of metamorphic and igneous rocks of parts of northern Coffee Creek and Cecilville quadrangles, Klamath Mountains, California. PhD 1963. UCB.
- 22. Trexler, Dennis T. Geology of the northwest quarter of the Cecilville quadrangle, Siskiyou county, California. MS 1968. USC.
- 23. Lipman, Peter Waldman. Geology of the southeastern Trinity Alps, northern California. PhD 1962. Stanford.
- 24. Silver, Eli A. Structure of the continental margin off northern California, north of the Gorda Escarpment. PhD 1969. UCSD.
- 25. Auld, Bruce C. Seismicity off the coast of northern California determined from ocean bottom seismic measurements. MS 1969. Columbia.

26. Stephens, E. Intensity distribution study and fault plane solution for the Cape Mendocino, California earthquake of October 11, 1956. MS 1958. Wyoming.
27. Faustman, W. F. Paleontology of the Scotia and Centerville Beach, California, sections of the Wildcap Group. MS 1962. UCB.
28. Rowland, Richard E. Geology of the Grouse Creek area, South Fork Mountains, California. MA 1966. UCLA.
29. Coggins, Vernon. Hydrology of Willow Creek, Lassen county, California. MA 1970. Chico.
30. Bendixen, Roald Leroy. An analysis of the bottom sediments of the southern basin of Eagle Lake, California. MA 1971. Chico.
31. Gilbert, Neil Jay. Chronology of post-Tuscan volcanism in the Manton area, California. MA 1969. UCB.
32. Peterson, Gary L. Physical stratigraphy and structure of type Horsetown Formation, northern California. MS 1961. Washington.
33. MacAlpine, Steven. Jurassic-Lower Cretaceous foraminifera from the Paskenta and Ono areas, northern California. MS 1969. Washington.
- 33A. MacAlpine, Steven. See no. 33.
34. Daily, Donald Howard. Early Cretaceous foraminifera from the Budden Canyon Formation, northwestern Sacramento Valley, California. PhD 1969. UCB.
35. Maytum, James R. Areal geology of the southeast portion Chancelulla Peak quadrangle, California. MS 1967. SDSU.
- *36. Blake, Milton Clark, Jr. Structure and petrology of low-grade metamorphic rocks, blue schist facies, Yolla Bolly area, northern California. PhD 1965. Stanford.
37. Cenedella, Louise G. Petrogenesis of the Legett periodotite, Mendocino county, California. MA 1969. Wisconsin.
38. Suppe, John E. Franciscan geology of the Leech Lake Mountain-Anthony Peak region, northeastern Coast Ranges. PhD 1969. Yale.
39. Ghent, Edward Dale. Petrology and structure of the Black Butte area, northern Coast Ranges, California. PhD 1964. UCB.
40. Gould, Franklin David. Geology of the Paskenta District, Tehama county, California. MA 1962. Chico.

- *41. Willis, Gar C. The geology of the east central portion of the Paskenta quadrangle, Tehama county, California. MA 1962. UCB.
- 42. Gakel, Arthur F. Geology of NW Keddie Ridge, Plumas and Lassen counties, California. MS 1966. Oregon.
- *43. Lydon, Philip A. Geology of the Butt Mountain area, a source of the Tuscan Formation in northern California. PhD 1968. Oregon.
- 44. Merrill, Ronald T. Origin of the remanent magnetization and magnetic reversals in the Bucks pluton, California. PhD 1967. UCB.
- 45. Kurtz, John Cornell. The geology of the Indian Valley region of Plumas county, California. MA 1957. Chico.
- 46. Stearns, Charles E. Geology of the eastern half of Mount Jura, California. MS 1962. Oregon.
- *47. Van Courvering, John A. Geology of the Chilcoot quadrangle, Plumas and Lassen counties, California. MA 1962. UCLA.
- *48. Strand, Robert Leroy. Geology of a portion of the Blue Nose Mountain quadrangle and adjacent areas, Plumas and Sierra counties, California. MS 1972. UCD.
- 49. Hemborg, Thomas H. The Tertiary stratigraphy of the La Porte quadrangle, Plumas county, California. MA 1966. UCLA.
- *50. Larson, Allan Richard. Tertiary geology of a portion of the northern Sierra Nevada, California. MA 1962. UCLA.
- 51. Enderlin, Margot Helene. The origin of Feather Falls, Butte county, California. MA 1970. Chico.
- *52. Van Den Berge, Johannes C. The paleo-geomorphological features of the Lovejoy Formation in the Sacramento Valley, California. MS 1968. UCD.
- 53. Chamberlin, Peter. The Middle Fork of Stony Creek, California: a study in mountain anthropogeomorphology. MA 1971. Chico.
- *54. Coveney, Raymond Martin, Jr. Gold mineralization at the Oriental Mine, Alleghany, California. PHD 1972. Michigan.
- *55. Stuart-Alexander, Desiree E. Contrasting deformation of Paleozoic and Mesozoic rocks near Sierra City, northern Sierra Nevada, California. PhD 1967. Stanford.

56. Gerlach, Keith H. The economic geology of the Meadow Lake Mining District, Nevada county, California. MS 1963. UCB.
- *57. Kimball, Royal D. Geology of the north-central part of the Donner Pass quadrangle, Sierra and Nevada counties, California. MS 1967. UCD.
- *58. Birkeland, Peter W. Pleistocene history of the Truckee area north of Lake Tahoe, California. PhD 1961. Stanford.
- *59. James, Odette F. B. Origin and emplacement of the ultramafic rocks of Emigrant Gap area, California. PhD 1967. Stanford.
- *60. Rich, Ernest I. Geology of the Wilbur Springs quadrangle, Colusa and Lake counties, California. PhD 1968. Stanford.
- *61. Moisseeff, Alexis N. The geology and geochemistry of the Wilbur Springs quicksilver district, Colusa and Lake counties, California. PhD 1966. Stanford.
- *62. Hodges, Carroll A. Geomorphic history of Clear Lake, California. PhD 1966. Stanford.
63. Rhea, Keith P. Geology of the Red Mountain area, Lake and Mendocino counties, California. MA 1966. UCB.
64. Boyle, Michael W. The stratigraphy, sedimentation, and structure of an area near Point Arena, California. MA 1967. UCB.
65. Henderson, Frederick B., III. See no. 84.
- *66. Bowser, Carl James. Geochemistry and petrology of the sodium borates in the nonmarine evaporite environment. PhD 1965. UCLA.
- *67. Swe, Win. Stratigraphy and structure of Late Mesozoic rocks south and southeast of Clear Lake, California. PhD 1968. Stanford.
68. Kuru, Durmus. Geology of the area surrounding the Reed mine, Yolo county, California. MS 1962. UCB.
- *69. Ojakangas, Richard Wayne. Petrology and sedimentation of the Cretaceous Sacramento Valley sequence, Cache Creek, California. PhD 1964. Stanford.
- *70. Rozelle, Richard Kent. Feldspar content, current lineations, and bedding characteristics of the Sites Formation, northern Yolo county, California. MA 1962. UCB.
71. Court, James E. Geology of the southern part of the Guinda quadrangle, Yolo county, California. MS 1966. UCD.

- *72. Swanson, Samuel Edward. Mineralogy and petrology of the Rocklin Pluton, Placer and Sacramento counties, California. MS 1970. UCD.
- *73. Redmond, John L. Structural analysis of the Blue Canyon Formation in the Sierra Nevada, Placer county, California. PhD 1966. Oregon.
- 74. Hyne, Norman J. Sedimentology and Pleistocene history of Lake Tahoe, California-Nevada. PhD 1969. USC.
- 75. Goldstein, Alan S. Recent motion of the geomagnetic field direction as recorded in sediments of Lake Tahoe, California. MS 1970. USC.
- 76. Budlong, Gerald Michael. Processes of beach change at Tahoe Keys, California: an example of man and nature as geomorphological agents. MA 1971. Chico.
- *77. Wachter, Bruce G. Rapid fresh and altered rock-analysis for exploration reconnaissance: infrared absorption applications in the Monitor District, California. PhD 1972. Stanford.
- 78. Crawford, Kenneth. Petrology of the Hope Valley roof pendants, California. MS 1969. UCD.
- 79. Springer, Robert K. The Pine Hill intrusive complex, El Dorado county, California. MS 1968. UCD.
- 80. Shlemon, Roy J. Landform-soil relationships in northern Sacramento county, California. PhD 1967. UCB.
- 81. Miller, William L. Petrology of the Putah Tuff Member of the Tehama Formation, Yolo and Solano counties, California. MS 1967. UCD.
- 82. Keller, Edward A. Form and fluvial processes of Dry Creek, near Winters, California. MS 1969. UCD.
- 83. Isselhardt, Courtney Francis. Geology of part of the St. Helena rhyolite near St. Helena, California. MA 1969. UCB.
- 84. Henderson, Frederick B., III. Deposition and oxidation of "serpentinite-type" mercury deposits. PhD 1965. Harvard.
- *85. Wentworth, Carl M., Jr. The Upper Cretaceous and Lower Tertiary rocks of the Gualala area, northern Coast Ranges, California. PhD 1966. Stanford.
- *86. Crawford, William Arthur. Studies in Franciscan metamorphism near Jenner, California. PhD 1965. UCB.

87. Erskian, Malcolm Gregory. Ecology of benthic foraminifera Russian River, Sonoma county, California. MS 1971. UCD.
88. Macfarland, Ian Charles. Sand variations of a beach and offshore area near Bodega Head, California. MS 1971. UCD.
89. Valdes, Fernando, Jr. Magnetic and gravity investigations of ultramafic rocks near Camp Meeker, California. MS 1971. SJSU.
- *90. Daetwyler, Calvin Crowell, Jr. Marine geology of Tomales Bay, central California. PhD 1965. UCSD.
91. Cherry, John A. Sand movement along a portion of the northern California coast. MS 1964. UCB.
92. Locke, James Leroy. Sedimentation and foraminiferal aspects of the Recent sediments of San Pablo Bay, California. MS 1971. SJSU.
93. Wolff, Ronald Gilbert. Paleoecology of a Late Pleistocene (Rancho-Labrean) vertebrate fauna from Rodeo, California. PhD 1971. UCB.
94. Monroe, William A. Petrology of the Domingue Formation. Potrero Hills to Rio Vista gas field, Solano county, California. MS 1965. UCD.
- *95. Slater, Richard A. Sedimentary environment in Suisun Bay, California MA 1965. USC.
- *96. Reese, James Irwin. Sedimentation of the Suisun Bay complex. MS 1965. SJSU.
97. Goldman, Harold B. Tertiary fluviatile deposits in the vicinity of Mokelumne Hill, Calaveras county, California. MA 1964. UCLA.
- *98. Schweickert, Richard A. Shallow-level intrusions in the eastern Sierra Nevada, California. PhD 1972. Stanford.
99. Elboushi, Ismail M. Geologic interpretation of recharge through coarse gravel and broken rock. PhD 1966. Stanford.
- *100. Clark, Malcolm M. Pleistocene glaciation of the drainage of the West Walker River, Sierra Nevada, California. PhD 1967. Stanford.
101. Al-Rawi, Yehya Tawfeq. Cenozoic history of the northern part of Mono basin, California and Nevada. PhD 1969. UCB.
102. Lajoie, Ken. Late Quaternary stratigraphy and geologic history of the Mono basin, California. PhD 1968. UCB.

103. Mason, David T. Limnology of Mono Lake, California. PhD 1966. UCD.
104. Lee, Keenan. Infrared exploration for shoreline springs: a contribution to the hydrogeology of Mono basin, California. PhD 1969. Stanford.
105. Denham, Charles Randall. Geomagnetic secular variation during the past 30,000 years, as recorded in sediments. PhD 1972. Stanford.
106. Brodersen, Ray A. Petrology, structure, and age relationships of the Cathedral Peak porphyritic quartz monzonite, central Sierra Nevada, California. PhD 1962. UCB.
107. Wilde, Walter R. K-feldspar megacrysts of the Cathedral Peak quartz monzonite, Yosemite National Park. MA 1971. UCB.
108. Kerrick, Derrill M. Igneous and metamorphic rocks in the Tioga Pass region, California. PhD 1967. UCB.
109. Gumble, Gordon E. Structure section through the Tuolumne complex, Yosemite National Park, California. MS 1962. Arizona.
- *110. Dodge, Frank Charles. A mineralogical study of the intrusive rocks of the Yosemite Valley area, California. PhD 1963. Stanford.
111. Link, Arthur Jurgen. Inclusion of the Half Dome quartz monzonite, Yosemite National Park, California. PhD 1969. Northwestern.
- *112. Leonardos, Othon H. Serpentine contact relations in the Moccasin quadrangle. MA 1966. UCB.
113. Furbush, Alan B. A geographic study of the Tuolumne Table Mountains MS 1965.
114. Preston, Michael M. Geology of a portion of the Byron Hot Springs quadrangle, Contra Costa county, California. MA 1965. USC.
- *115. Waltz, James P. An analysis of selected landslides in Alameda and Contra Costa counties, California. PhD 1967. Stanford.
116. Ewoldsen, Hans M. A study of the relations between laboratory and field tests on the Domengine Sandstone (Eocene, California). MS 1964. UCB.
117. Henderson, Frederick B., III. See no. 84.
118. Primmer, Stanley R. The type Kirker Formation. MA 1966. UCB.

- *119. Case, James E. Geology of a portion of the Berkeley and San Leandro Hills, California. PhD 1963. UCB.
- *120. Berkland, James O. Geology of the Novato quadrangle, Marin County, California. MS 1969. SJSU.
- *121. Clement, William Glenn. An investigation of the earth's gravitational field in the northern San Francisco Bay area, California. PhD 1965. Stanford.
- *122. Gluskoter, Harold Jay. Geology of a portion of western Marin County, California. PhD 1962. UCB.
- *123. Clague, John Joseph. The landslides in the southeast part of Point Reyes National Seashore. MA 1969. UCB.
- *124. Dudley, Priscilla P. Glauconite schists and associated rocks of the Tiburon Peninsula, Marin County, California. PhD 1967. UCB.
- *125. Wakeley, John Redmond. The nature and origin of a chert-rich beach sand, Rodeo Cove, Marin peninsula, California. MA 1968. UCB.
- *126. Means, Kendall D. The sediments and foraminifera of Richardson Bay, California. MA 1965. USC.
- 127. Ohrbom, Richard R. Structural geology of the Franciscan rocks of the San Francisco area--a reinterpretation. MA 1967. UCR.
- 128. Moore, Donald Bruce. Recent coastal sediments, Double Point to Point San Pedro, California. MA 1965. UCB.
- *129. Page, Norman J. Mineralogy and chemistry of the serpentine group minerals and the serpentinization process. PhD 1966. UCB.
- 130. Wood, Milton D. The influence of ocean tidal loading on solid earth tides and tilts in the San Francisco Bay Region, California. PhD 1969. Stanford.
- 131. Grivetti, L. E. Recent intertidal foraminifera of the Farallon Islands. MA 1962. UCB.
- *132. Cooper, Alan. Structure of the continental shelf west of San Francisco. MS 1971. SJSU.
- 133. Ohrbom, Richard R. See no. 127.
- *134. Anderson, Gery F. An earthquake hazard study of a dune sand site in San Francisco, California. MS 1969. SJSU.
- *135. Hall, N. T. Petrology of the type Merced Group, San Francisco Peninsula, California. MA 1965. UCB.

- *136. Gram, Ralph. The marine geology of the recent sediments of central San Francisco Bay. MS 1966. SJSU.
- 137. Quintero, Paula J. Distribution of Recent Foraminifera in central and south San Francisco Bay. MS 1968. SJSU.
- 138. Sayles, Frederick L. Coastal sedimentation: Point San Pedro to Miramontes Point, California. MA 1965. UCB.
- 139. Jack, Robert Norman. Quaternary sediments at Montara, San Mateo County, California. MA 1969. UCB.
- 140. Baldwin, Arthur D. Geologic and geographic controls upon the rate of solute erosion from selected coastal river basins between Half Moon Bay and Davenport. PhD 1967. Stanford.
- *141. Greve, Gordon Madsen. An investigation of the earth's gravitational and magnetic fields on the San Francisco Peninsula, California. PhD 1962. Stanford.
- 142. Firby, Jean Brower. Revision of the middle Pleistocene Irvington fauna of California. MA 1968. UCB.
- 143. Pierce, Jack William. Salt water infiltration into the Alameda County water district. CE 1948. Stanford.
- 144. Raymond, Loren A. The stratigraphy and structural geology of the northern Lone Tree Creek and southern Tracy quadrangles, San Joaquin County, California. MS 1969. SJSU.
- 145. Raymond, Loren Arthur. Franciscan geology of the Mt. Oso area, California. PhD 1972. UCD.
- 146. Nokleberg, Warren. Structure, stratigraphy, and contact metasomatic rocks of the Strawberry Mine. PhD 1970. UCSB.
- 147. Nemeth, Donald F. Sedimentary and topographic character of scree at three California localities. MS 1968. USC.
- *148. Nevin, Andrew Emmet. Late Cenozoic stratigraphy and structure of the Benton area, Mono County, California. MA 1963. UCB.
- *149. Elliott, James E. The mineralogy and geochemistry of the tungsten deposits of the Black Rock Mine area, Mono County. PhD 1971. Stanford.
- 150. Harris, Dahl L. Petrology of the Boundary Peak adamellite pluton, in the Benton quadrangle, Mono and Esmeralda Counties, California and Nevada. MS 1967. UCD.
- *151. Sheridan, Michael Francis. The mineralogy and petrology of the Bishop Tuff. PhD 1965. Stanford.

152. Hall, Minard Lane. Intrusive truncation of the Precambrian-Cambrian succession of the White Mountains, California. MA 1963. UCB.
153. Marchand, Dennis E. Chemical weathering, soil formation, geobotanical correlations in a portion of the White Mountains, Mono and Inyo Counties, California. PhD 1968. UCB.
154. Nemeth, Donald F. See no. 147.
- *155. Snetsinger, Kenneth George. Petrology and mineralogy of metamorphic and intrusive rocks, northwest part of the Bass Lake 15' quadrangle, Madera and Mariposa Counties, California. PhD 1965. Stanford.
156. Saad, Afif H. Magnetic properties of ultramafic rocks from Red Mountain, California. PhD 1968. Stanford.
157. Lewis, Robert E. A geophysical investigation of a landslide using electrical resistivity, seismic refraction, and gravity techniques. MS 1967. SJSU.
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- 463. McCurdey, Robert. Water motion and sediments of northeast San Pedro Bay, California. MS 1965. USC.
- 464. Bunnell, Victoria D. The water structure of the San Pedro Basin, California borderland. MS 1969. USC.
- 465. Loop, Taylor H. Physical oceanography and sediment characteristics within Little and Shark Harbors, Santa Catalina Island, California. MS 1969. USC.
- 466. Inderbitzen, Anton L. Relationships between sedimentation rate and shear strength in Recent marine sediments off southern California. PhD 1969. Stanford.
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- *470. Ridlon, James B. Bathymetry and structure of San Clemente Island, California; and tectonic implications for the southern California continental borderland. PhD 1970. Oregon.
- 471. Shaefer, George V. Shelf sediments of San Clemente Island, California. MS 1970. USC.
- 472. Beyer, Larry Albert. Measuring gravity on the sea floor in deep water. MA 1964. UCR.
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- 479. Hand, Bryce M. Marine geology of north end of San Diego trough. MS 1962. USC.
- 480. Walker, Giles E. Intrusive relations of the batholith of southern California near Bonsall, California. MS 1959. Arizona.
- 481. Liska, Robert D. The geology and biostratigraphy of Letterbox Canyon, San Diego County, California. MS 1964. SDSU.
- 482. Nickerson, Theodore D. A late Eocene vertebrate fauna from Carlsbad, California. MS 1969. USC.
- 483. Ritter, John Robert. Beach-dune ridges of San Diego County California. MS 1964. UCSD.
- 484. Nordstrom, Charles E. A stratigraphic and petrographic study of an unnamed conglomerate unit near Rancho Santa Fe, California. MS 1967. SDSU.
- *485. Scheliga, John T., Jr. Geology and water resources of Warner Basin, San Diego County, California. MA 1963. USC.
- *486. Sharp, Robert Victor. Geology of the San Jacinto fault zone in the Peninsular Ranges of southern California. PhD 1965. CIT.
- 487. Hoover, Richard A. Areal geology and physical stratigraphy of a portion of the southern Santa Rosa Mountains, San Diego County, California. MA 1965. UCR.
- 488. Bartholomew, Mervin J. Geology of the southern portion of the Fonts Point quadrangle and the southwestern portion of the Seventeen Palms quadrangle, San Diego County, California. MS 1968. USC.
- 489. Neblett, Sidney S. Engineering geology of the Dana Point, California quadrangle, MS 1966. USC.
- *490. Weismeyer, Albert L. Geology of the northern portions of the Seventeen Palms and Fonts Point quadrangles, Imperial and San Diego Counties, California. MA 1968. USC.

491. Babcock, Elkanah A. Structural geology and geophysics of the Durmid area, Imperial Valley, California. PhD 1969. UCR.
492. Young, David Ross. The distribution of cesium, rubidium and postassium in the quasi-marine ecosystem of the Salton Sea. PhD 1970. UCSD.
- *493. Biehler, Shawn. Geophysical study of the Salton trough of southern California. PhD 1964. CIT.
494. Grubbs, Donald Keeble. Ore-bearing magmatic and metamorphic brine from the Salton Sea volcanic domes geothermal area, Imperial County, California. MS 1963. Virginia.
495. Darnell, William I. The Imperial Valley: its physical and cultural geography. MA 1959. SDSU.
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- *500. Smith, Duane D. Geology of the northeast quarter of the Carrizo Mountain quadrangle, California. MA 1962. USC.
- *501. Kovach, Robert L. Geophysical investigations in the Colorado Delta region. PhD 1962. CIT.
- *502. Smith, Roger Stanley. Migration and wind regime of small barchan dunes within the Algodones dune chain, Imperial County, California. MS 1970. Arizona.
503. Hart, Michael Wayne. Landslides of west-central San Diego County, California. MS 1972. SDSU.
504. DeLisle, Mark. Lead-alpha ages of the clasts in the Poway Formation, San Diego County, California. MS 1963. SDSU.
505. Dill, Robert Floyd. Contemporary submarine erosion in Scripps submarine canyon. PhD 1964. UCSD.

- *506. Komar, Paul D. The longshore transport of sand on beaches. PhD 1969. UCSD.
- 507. Thompson, Donald E. Paleoecology of the San Diego marine Pleistocene. MS 1967. SDSU.
- *508. White, Craig K. Geology of the San Diego onshore-offshore area. MS 1969. Nevada.
- 509. Anderson, Richard E. Geology and micropaleontology of Point Loma, San Diego County, California. MS 1962. USC.
- *510 Komar, Paul D. See no. 506.
- 511. Sprague, Douglas W. Geology and economic significance of Pleistocene channel and terrace deposits of the San Diego mainland shelf, California. MS 1971. USC.
- 512. Itson, Sonja Patricia. The petrology of the mafic complex north of Jamul, San Diego County, California. MS 1970. SDSU.

PART II

THESES NOT PLOTTED ON PLATE I

REGIONAL STUDIES GEOCHEMISTRY

PART II
THESES
NOT ON
PLATE I

- U-1. Chapin, Douglas William. Source identification of tar deposits from the Santa Barbara Channel coastline by trace metal analysis. MS 1972. UCSB.
- *U-2. Copenhauer, George C. Geochemical prospecting for nickel in the Julian-Cuyamaca area, California. MS 1970. SDSU.
- U-3. Dalrymple, G. Brent. Potassium-argon dates and the Cenozoic chronology of the Sierra Nevada, California. PhD 1963. UCB.
- U-4. Higgins, Ralph Edward. A chemical study of Cenozoic volcanism in the Los Angeles Basin, Santa Cruz Island, and the Mojave Desert. PhD 1972. UCSB.
- U-5. Pratt, Willis L. The origin and distribution of glauconite from the sea floor off California and Baja California. PhD 1963. USC.
- U-6. Radtke, Arthur Sears. Minor elements in iron ores from the western United States. PhD 1965. Stanford.
- U-7. Towell, David Garrett. Rare-earth distribution in some rocks and associated minerals of the batholith of southern California. PhD 1963. MIT.

GEOMORPHOLOGY, PHYSIOGRAPHY, SOIL SCIENCE

- U-8. Brueggeman, John L. Beach cusps of Monterey Bay, California. MS 1971. USNPGS.
- U-9. Carthew, John Arthur. Mono County, California: A geographical interpretation of California's leaside Sierra high plateau country. PhD 1970. UCLA.
- U-10. Collett, Raymond T. Interpretation of the California landscape. PhD 1967. UCB.
- U-11. Curry, Robert R. Rates and forms of mass wasting in the Sierra Nevada of California. PhD 1968. UCB.
- U-12. Davis, Robert Martin. Geomorphic base for recent urban expansion in the Sacramento urban area. MS 1972. Nevada.
- U-13. Edwards, Lloyd Norman. Geology of the Vaqueros and Rincon Formations, Santa Barbara embayment, California. PhD 1971. UCSB.
- U-14. Eichel, Marijean H. The Carrizo Plain, a geographic study of settlement, land use, and change. MA 1971. SJSU.
- U-15. Fischer, Peter. Geologic evolution and Quaternary geology of Santa Barbara Basin, southern California. PhD 1972. USC.
- U-16. Gardner, Robert A. Sequence of podzolic soils along the coast of northern California. PhD 1967. UCB.
- U-17. Merselis, William B. Late Pleistocene shorelines of southern California. MA 1962. USC.
- U-18. Minard, Claude Russell. Late Quaternary beaches and coasts between the Russian River and Drakes Bay, California. PhD 1971. UCB.
- *U-19. Palmer, Leonard A. Marine terraces of California, Oregon and Washington. PhD 1967. UCLA.
- U-20. Place, John Louis. Man's role in geomorphic change on the shoreline of Los Angeles County, California. PhD 1970. UCLA.
- U-21. Ploessel, Michael R. Sea cliffs of southern California: Malaga Cove to Dana Point, geology and geologic hazards. MS 1972. USC.
- U-22. Reeves, Richard W. Modern channel entrenchment in the Coastal Ranges of central and southern California. PhD 1970. UCLA.
- U-23. Schmidt, Robert Howard. The impact of freeways on California's rural landscape. PhD 1968. UCLA.

- U-24. Scott, Frank Kimball. Visible relics of past land use in the Mother Lode area, California. PhD 1970. UCLA.
- *U-25. Smith, David L. First order drainage basin morphology in a portion of the Sierra Nevada, California. PhD 1966. Oregon.
- U-26. Stafford, Philip J. The decreasing size of San Francisco Bay; a study in resource utilization. MA 1969. SFVSVU.
- U-27. Taylor, Michael Francis. A survey of soil freezing on the east side of the Sierra Nevada. MS 1969. Nevada.
- U-28. Uri, Clarence Theodore. Infrared ektachrome for vegetation identification and mapping of San Diego terraces. MS 1970. SDSU.
- U-29. Wallis, James R. A factor analysis of soil erosion and stream sedimentation in northern California. PhD 1965. UCB.
- U-30. William, John W. Geomorphic history of Carmel Valley and Monterey Peninsula, California. PhD 1970. Stanford.

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- U-31. Bakum, William H. Body wave spectra and crustal structure: an application to the San Francisco Bay region. PhD 1970. UCB.
- U-32. Brisbin, William C. Regional Bouguer anomalies and crustal structure in southern California. PhD 1970. UCLA.
- U-33. Cady, John Wallace. Magnetic and gravity anomalies in the California Great Valley and western Sierra Nevada metamorphic belt. PhD 1972. Stanford.
- *U-34. Coe, Robert S. Paleo-intensities of the geomagnetic field determined from Tertiary and Quaternary rocks. PhD 1966. UCB.
- U-35. Greenhouse, John Phillips. Geomagnetic time variations on the sea floor off southern California. PhD 1972. UCSD.
- U-36. Gromme, Charles Sherman. Remanent magnetization of igneous rocks from the Franciscan and Lovejoy Formations, northern California. PhD 1963. UCB.
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- U-39. Loughbridge, Michael S. Fine scale topography and magnetic anomalies of the deep sea floor off southern California. PhD 1967. Harvard.
- U-40. Luyendyk, Bruce P. Geological and geophysical observations in an abyssal hill area using a deeply towed instrument package. PhD 1969. UCSD.
- U-41. Mankinen, Edward A. Paleomagnetism and potassium-argon ages of the Sonoma Volcanics, California. MS 1971. SJSU.
- U-42. Morrison, Huntley F. A magnetotelluric profile across the state of California. PhD 1967. UCB.
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- U-45. Bateman, Richard L. Environmental controls on occurrence and chemistry of ground water in a basic volcanic terrane, eastern Sierra Nevada. MS 1970. Nevada.
- *U-46. Curtin, George. Hydrology of the Sutter Basin, Sacramento Valley, California. MS 1971. Arizona.
- U-47. Mrowka, Jack P. An analysis of longitudinal stream profiles of low order coastal drainage basins in a heterogeneous lithologic and tectonically unstable environment. MA 1969. UCLA.
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- U-49. Abbott, Earl William. Stratigraphy and petrology of the Mesozoic volcanic rocks of southeastern California. PhD 1972. Rice.
- U-50. Calk, Lewis Clifton. The effects of a basalt intrusion on the fission track ages of accessory minerals in the Cathedral Peak granite. MS 1972. SJSU.
- U-51. Carroll, James C. Mining economics of copper-zinc deposits in the Foothill Copper Belt of the Sierra Nevada in California. MS 1971. Nevada.
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- U-53. Crawford, Maria L. Plagioclase feldspar equilibria in some semi-pelitic schists. PhD 1965. UCB.
- *U-54. Dickert, Paul F. Neogene phosphatic facies in California. PhD 1971. Stanford.
- *U-55. Essene, Eric J. Petrogenesis of Franciscan metamorphic rocks. PhD 1967. UCB.
- U-56. Fleischer, Peter. Mineralogy of hemipelagic sediments, California continental borderland. PhD 1970. USC.
- *U-57. Hobson, Richard D. An environmental study of the Vaqueros Formation, Santa Ynez Mountains, California. PhD 1966. Northwestern.
- U-58. Hunter, William P. Heavy mineral analysis of selected Monterey Bay cores. MS 1971. USNPGS.
- U-59. Kazanowska, Maria. Suspended matter in Monterey Bay, California: some aspects of its distribution and mineralogy. MS 1971. USNPGS.
- U-60. Langer, Arthur M. Mineralogy and physical properties of Mojave Desert playa crusts. PhD 1965. Columbia.
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- U-63. McCracken, Willard Alton. Paleocurrents and petrology of Sespe Sandstones and Conglomerates, Ventura Basin, California. PhD 1972. Stanford.

- U-64. Puchlik, Kenneth Phillip. Nickel mineralization associated with early ultramafic intrusions of the Sierra Nevada. MS 1972. Nevada.
- U-65. Quinn, Harry M. Precambrian, Eocambrian and Cambrian rocks of the basin and range province of eastern California. MS 1968. USC.
- U-66. Sarna-Wojcicki, Andrei M. Correlation of late Cenozoic pyroclastic deposits in the central Coast Ranges of California. PhD 1971. UCB.
- U-67. Silberman, Miles Louis. Time of ore deposition in epithermal veins of western Nevada and eastern California as measured K-Ar isotopic ages on primary adularia and alunite. PhD 1971. Rochester.
- U-68. Smith, Alan Lewis. Petrology and Quaternary basic lavas of California and a note on sphene-perovskite paragenesis. PhD 1969. UCB.
- *U-69. Spencer, Clyde H., Jr. Statistical correlation of platinum metals with heavy minerals in stream sediments of the Klamath Mountains, California. MS 1971. SJSU.
- U-70. Tanner, James W. An analysis of the concentrations of heavy metals in Monterey Harbor utilizing the methods of atomic absorption, spectrophotometry and polarography. MS 1971. USNPGS.

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- U-71. Bourke, Robert Hathaway. A study of the seasonal variation in temperature and salinity along the Oregon-northern California coast. PhD 1972. Oregon State.
- U-72. Bradford, William T. Marine induced scour effects on the sea floor off southern California. MS 1966. USC.
- U-73. Caster, W. A. Near bottom currents in Monterey Submarine Canyon and on the adjacent shelf. MA 1969. USNPGS.
- U-74. Filloux, Jean H. Oceanic electric currents, geomagnetic variations, and the deep electrical conductivity structure of the ocean-continent transition of central California. PhD 1967. UCSD.
- U-75. Holly, R. W. Temperature and density structure of water along the California coast. MS 1968. USNPGS.
- U-76. Labyak, P. S. An oceanographic survey of the coastal water between San Francisco Bay and Monterey Bay, California. MS 1969. USNPGS.
- *U-77. Lennox, Richard John. An investigation of bottom changes in Monterey Harbor (1932-1969). MS 1969. USNPGS.
- U-78. Macdonald, Keith B. Quantitative study of salt marsh mollusk faunas from the North American Pacific Coast. PhD 1967. UCSD.
- U-79. Mantyla, Arnold William. Characteristics of the deep water below the California Current. MS 1970. UCSD.
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- U-81. Normark, William Raymond. Growth patterns of deep sea fans. PhD 1969. UCSD.
- U-82. Robinson, D. B. Seiching in Monterey Bay. MS 1969. USNPGS.
- U-83. Rodolfo, Kelvin S. Suspended sediment in southern California waters. MS 1964. USC.
- U-84. Sholkovitz, Edward Richard. The chemical and physical oceanography and the interstitial water chemistry of the Santa Barbara Basin. PhD 1972. UCSD.
- U-85. Smith, Stephan V. Calcium carbonate budget of the southern California continental borderland. PhD 1970. Hawaii.

- U-86. Terry, Richard D. Continental slopes of the world. PhD 1965. USC.
- U-87. Thatcher, Wayne Raymond. Surface wave propagation and source studies in the Gulf of California region. PhD 1972. CIT.
- U-88. Uchupi, Elazar. Continental margin from San Francisco, California to Cedros Island, Baja California. PhD 1962. USC.
- U-89. Whitson, William F. Seasonal variations of coastal currents off the Oregon-northern California coast. MS 1972. USNPGS.
- U-90. Wildharber, Jimmie L. Suspended sediment over the continental shelf off southern California. MS 1966. USC.
- U-91. Wimberley, C. Stanley. Sediments of the southern California mainland shelf. PhD 1964. USC.

PALEONTOLOGY

- U-92. Adam, David P. Exploratory palynology in the Sierra Nevada 38°-39°N, 119°-121°W. California (Wisconsin-Modern). MA 1965. Arizona.
- U-93. Barnes, Lawrence Gayle. Miocene Desmatophociane from California. MA 1969. UCB.
- *U-94. Bedrossian, Trinda Lee. Paleoecological evaluation of the "Merced" Formation, Sonoma County, California. MS 1970. UCD.
- U-95. Cornell, William Crowninshield. Chrysomonad cysts and silico-flagellates from the Marca shale member, Moreno Formation (Maastrichtian), Fresno County, California. PhD 1972. UCLA.
- U-96. Firby, James Ronald. Late Cenozoic non-marine Mollusca of western Nevada and adjacent areas. PhD 1969. UCB.
- U-97. Kennedy, George Lindsay. West American Cenozoic Pholadidae (Mollusca-Bivalvia). MS 1972. UCD.
- U-98. Lankford, Robert Renninger. Recent Foraminifera from the near-shore turbulent zone, western United States and northwestern Mexico. PhD 1962. UCSD.
- U-99. Law, Ben E. Pennsylvanian-Permian conodont succession from the Bird Spring Formation, southeastern California. MS 1971. SDSU.
- U-100. Licari, Gerald R. Paleontology and paleoecology of the Proterozoic Beck Spring Dolomite of eastern California. PhD 1971. UCLA.
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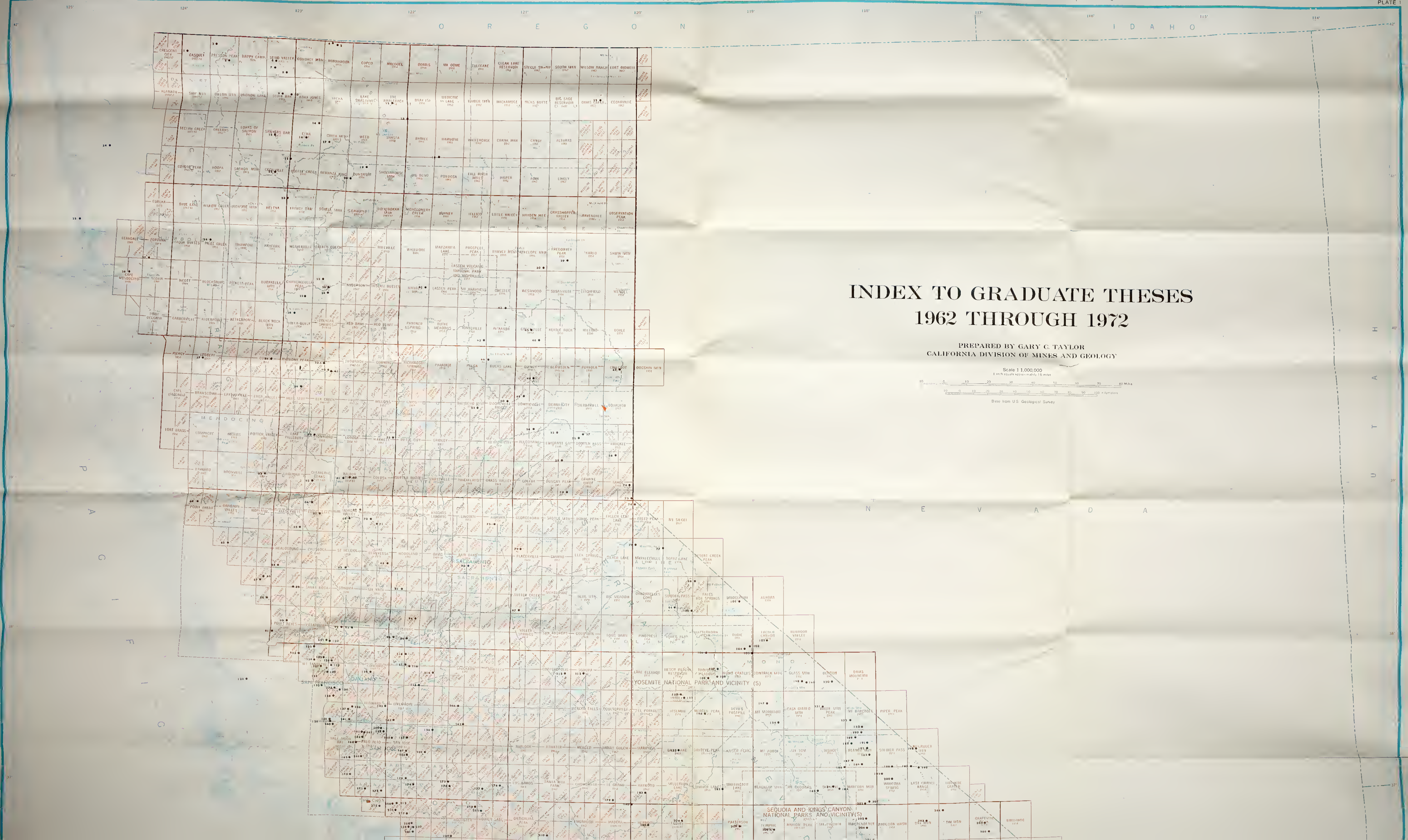
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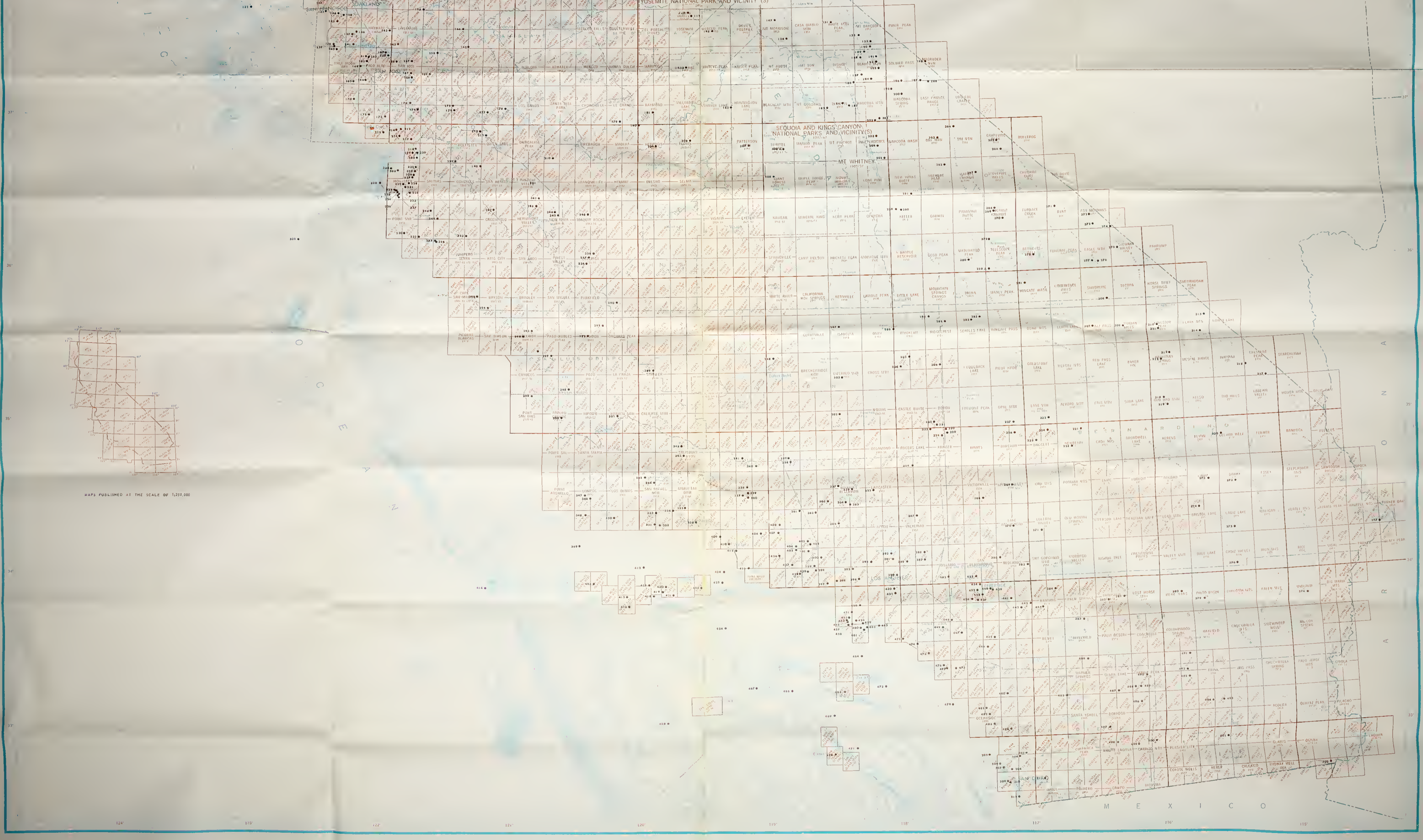
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